# **NOTICE**

All drawings located at the end of the document.

Draft Industrial Area Sampling and Analysis Plan FY04 Addendum #IA-04-10 IHSS Group 700-11 (Bowman's Pond and Steam Condensate Tanks)



February 2004

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION
OFFICE

IA-A-001985

Draft Industrial Area Sampling and Analysis Plan FY04 Addendum #IA-04-10 IHSS Group 700-11 (Bowman's Pond and Steam Condensate Tanks)

Approval received from the Colorado Department of Public Health and Environment ( ).

Approval letter contained in the Administrative Record.

# TABLE OF CONTENTS

1.0	INTRODUCTION
2.0	EXISTING CHARACTERIZATION INFORMATION
3.0	SAMPLING
4.0	REFERENCES
	LIST OF FIGURES
Figur	re 1 IHSS Group 700-11 (IHSS 139.1(N)(a) and PAC 700-1108) Location Map 2
Figur	re 2 IHSS Group 700-11 Existing Soil and Sediment Sampling Results Greater Than MDLs or Background Means Plus Two Standard Deviations
Figur	re 3 IHSS Group 700-11 (IHSS 139.1 (N)(a) and PAC 700-1108) Proposed Sampling Locations
	LIST OF TABLES
Table	e 1 IHSS Group 700-11 PCOCs
Table	e 2 IHSS Group 700-11 Sampling Summary
Table	e 3 IHSS Group 700-11 Sampling Specifications6

# **ACRONYMS**

AL action level

**CDPHE** Colorado Department of Public Health and Environment

DOE U.S. Department of Energy

**EPA** U.S. Environmental Protection Agency

FY Fiscal Year

**HPGe** high-purity germanium Historical Release Report HRR

Industrial Area IΑ

**IASAP** Industrial Area Sampling and Analysis Plan

Individual Hazardous Substance Site **IHSS** 

method detection limit **MDL** ug/kg micrograms per kilogram milligrams per kilogram mg/kg

N/A not applicable

Potential Area of Concern **PAC** polychlorinated biphenyls **PCBs** picocuries per gram pCi/g

potential contaminant of concern **PCOC** Rocky Flats Cleanup Agreement **RFCA** Sampling and Analysis Plan SAP semivolatile organic compound **SVOC UBC Under Building Contamination** volatile organic compound VOC

**WRW** wildlife refuge worker

# 1.0 INTRODUCTION

This Industrial Area (IA) Sampling and Analysis Plan (SAP) (IASAP) (DOE 2001) Addendum #IA-04-10 includes Individual Hazardous Substance Site (IHSS) Group-specific information, sampling locations, and potential contaminants of concern (PCOCs) for IHSSs, Potential Areas of Concern (PACs), and Under Building Contamination (UBC) Sites proposed for characterization during Fiscal Year (FY) 04. This IASAP Addendum is a supplement to the IASAP (DOE 2001) and includes data and proposed sampling locations for IHSS Group 700-11. IHSS Group 700-11 consists of Bowman's Pond (PAC 700-1108) and the Steam Condensate Tanks (IHSS 139.1[N][a]). The location of IHSS Group 700-11 is shown on Figure 1.

# 2.0 EXISTING CHARACTERIZATION INFORMATION

Bowman's Pond (PAC 700-1108) consists of a manmade depression approximately three to four feet deep with an areal extent of approximately 28 by 33 feet. The pond was constructed to contain storm-water from building foundation drains and storm drains in the 700 area. The Steam Condensate Tanks (IHSS 139.1[N][a]) have been removed and the concrete slab that supported the former tanks remains in place. Surface water drainage in the area generally flows from the southwest to the northeast.

Existing concentrations and activities in soil greater than the method detection limits (MDLs) or background means plus two standard deviations are presented on Figure 2. Existing information and data for this IHSS are available in Appendix C of the IASAP (DOE 2001), the Historical Release Reports (HRRs) (DOE 1992, 1999a), the Closeout Report for the Site Characterization of Bowmans Pond (PAC 700-1108) and Steam Condensate Holding Tanks (IHSS 139.1N) (DOE 1999b), and the Assessment of Known, Suspect, and Potential Environmental Releases of Polychlorinated Biphenyls (PCBs) (DOE 1991). Table 1 presents the PCOCs and proposed sampling methodologies.

Table 1 IHSS Group 700-11 PCOCs

IHSS Group	IHSS/PAC/UBC Site	PCOCs	Media	Data Source	Sampling Location Method
	PAC 700-1108 – Bowman's Pond	Metals PCBs Radionuclides SVOCs VOCs	soil	HRRs (DOE 1992-2003, 1999a), IASAP (DOE 2001), Closeout Report for the Site Characterization of Bowmans Pond and Steam Condensate Holding Tanks (DOE 1999b), Process knowledge	Statistical grid Biased sampling

Previous data for IHSS Group 700-11 indicate detections of PCBs and SVOCs greater than the Rocky Flats Cleanup Agreement (RFCA) wildlife refuge worker (WRW) action levels (ALs) (DOE et al. 2003). Concentrations of lead in surface and subsurface soil were reported at levels exceeding the ecological receptor AL. All of the PCOCs listed in Table 1 were reported above MDLs or corresponding background means plus two standard deviations in surface and subsurface soil (Figure 2).

# THIS TARGET SHEET REPRESENTS AN OVER-SIZED MAP / PLATE FOR THIS DOCUMENT: (Ref: 04-RF-00212; JLB-012-04)

# Draft Industrial Area Sampling and Analysis Plan FY04 Addendum IA-04-10 IHSS Group 700-11 (Bowman's Pond and Steam Condensate Tanks)

February 2004

Figure 2:

# IHSS Group 700-11 Existing Soil and Sediment Sampling Results Greater than MDLs or Background Means Plus Two Standard Deviations

700-11char\_gpp\_12\_03.apr February 2004

CERCLA Administrative Record Document, IA-A-001985

U.S. DEPARTEMENT OF ENERGY ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

GOLDEN, COLORADO

## 3.0 SAMPLING

The IHSS Group 700-11 sampling summary is presented in Table 2.

Table 2
IHSS Group 700-11 Sampling Summary

Category	Total
Number of Sampling Locations	25
Number of Samples	50
Number of Metal Analyses	28
Number of PCB Analyses	54
Number of Radionuclide Analyses	28
Number of SVOC Analyses	28
Number of VOC Analyses	14

All proposed sampling locations are located either within PAC 700-1108 or nearby surrounding areas. No characterization sampling locations are proposed in IHSS 139.1(N)(a). Confirmations samples will be collected from this area after the concrete slab that supported the former steam condensate tanks is removed.

The proposed sampling specifications (number and type of samples) for IHSS Group 700-11 are listed in Table 3 and shown on Figure 3. A 36-foot statistical grid and biased sampling locations were applied at IHSS Group 700-11. Biased sampling locations were selected near outfalls of storm and foundation drains, and in the drainage area downgradient of Bowman's Pond. Additionally, ten biased sampling locations were selected in three areas, formerly used for outside storage, south, southwest, and west of IHSS Group 700-11 for PCBs analyses only. These selected areas exist between 700s-area IHSS/PAC/UBC boundaries and have been included as part of the IHSS Group 700-11 characterization to target potential PCB sources.

As part of the IHSS Group 700-5 SAP Addendum #IA-03-17 (DOE 2003), four locations were identified (CG49-014, CG49-015, CG49-016, and CG49-017) for sampling along the drainage into Bowman's Pond and will not be duplicated in this SAP Addendum. These sampling locations are shown on Figure 3. One of the samples, CG49-016, will be analyzed for dioxins in addition to metals, PCBs, radionuclides, semivolatile organic compounds (SVOCs), and volatile organic compounds (VOCs) because the sampling location coincides with the previous maximum PCB detection reported in the area. Analytical results of the four sampling locations will be included with the Data Summary or Closeout Report for both IHSS Group 700-11 and 700-5.

Proposed new sampling locations are the starting point for IHSS Group characterization. After characterization starts, the number and type of samples may change based on sample results. Changes to sampling specifications will be considered in consultation with the regulatory agencies. If contaminant concentrations are found to be above ALs near the grid boundary, additional samples will be collected in consultation with the

regulatory agencies and a contact record will be issued. Biased sampling locations will be field checked and the locations adjusted, if necessary, through the consultative process.

## 4.0 REFERENCES

DOE, 1991, Assessment of Known, Suspect, and Potential Environmental Releases of Polychlorinated Biphenyls (PCBs), Preliminary Assessment/Site Description, Rocky Flats Plant, Golden, Colorado, October.

DOE, 1992, Historical Release Report for the Rocky Flats Plant, Golden, Colorado, June.

DOE, 1999a, Annual Historical Release Report for the Rocky Flats Plant, Golden, Colorado, September.

DOE, 1999b, Closeout Report for the Site Characterization of Bowmans Pond (PAC-700-1108) and Steam Condensate Holding Tanks (IHSS 139.1N), Rocky Flats Environmental Technology Site, Golden, Colorado, September.

DOE, 2001, Industrial Area Sampling and Analysis Plan, Rocky Flats Environmental Technology Site, Golden, Colorado, June.

DOE, 2003, Industrial Area Sampling and Analysis Plan FY03 Addendum, #IA-03-17, Rocky Flats Environmental Technology Site, Golden, Colorado, October.

DOE, CDPHE, and EPA, 2003, Modifications to the Rocky Flats Cleanup Agreement, U.S. Department of Energy, Colorado Department of Public Health and Environment, and U.S. Environmental Protection Agency, Rocky Flats Environmental Technology Site, Golden, Colorado, June.

Table 3
IHSS Group 700-11 Sampling Specifications

																									-			
Comments		Statistical sample location																										
Off-site	Laboratory Method	6010	8082	Alpha spec	8270	6010	8082	Alpha spec	8270	8260	6010	8082	Alpha spec	8270	6010	8082	Alpha spec	8270	8260	6010	8082	Alpha spec	8270	6010	8082	Alpha spec	8270	8260
On-site	Laboratory Method	6200	N/A	HPGe	N/A	6200	N/A	HPGe	N/A	8260	6200	N/A	HPGe	N/A	6200	N/A	HPGe	N/A	8260	6200	N/A	HPGe	N/A	·0079	N/A	HPGe	N/A	8260
	Analyte	Metals	PCBs	Radionuclides	SVOCs	Metals	PCBs	Radionuclides	SVOCs	VOCs	Metals	PCBs	Radionuclides	SVOCs	Metals	PCBs	Radionuclides	SVOCs	VOCs	Metals	PCBs	Radionuclides	SAOCs	Metals	PCBs	Radionuclides	SVOCs	VOCs
5	Depth Interval	0.0-0.5	0.0-0.5	0.0-0.5'	0.0-0.5	0.5-2.5'	0.5-2.5'	0.5-2.5'	0.5-2.5'	0.5-2.5'	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.5-2.5'	0.5-2.5	0.5-2.5'	0.5-2.5'	0.5-2.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.5-2.5'	0.5-2.5'	0.5-2.5'	0.5-2.5'	0.5-2.5'
	Media	Surface soil:	Surface soil	Surface soil	Surface soil	Subsurface soil	Subsurface soil	Subsurface soil	Subsurface soil	Subsurface soil	Surface soil	Surface soil	Surface soil	Surface soil	Subsurface soil	Subsurface soil	Subsurface soil	Subsurface soil	Subsurface soil	Surface soil	Surface soil	Surface soil	Surface soil	Subsurface soil	Subsurface soil	Subsurface soil	Subsurface soil	Subsurface soil
	Northing	751279.335	751279.335	751279.335	751279.335	751279.335	751279.335	751279.335	751279.335	751279.335	751245.676	751245.676	751245.676	751245.676	751245.676	751245.676	751245.676	751245.676	751245.676	751257.218	751257.218	751257.218	751257.218	751257.218	751257.218	751257.218	751257.218	751257.218
	Easting	2084055.323	2084055.323	2084055.323	2084055.323	2084055.323	2084055.323	2084055.323	2084055.323	2084055.323	2084042.554	2084042.554	2084042.554	2084042.554	2084042.554	2084042.554	2084042.554	2084042.554	2084042.554	2084113.622	2084113.622	2084113.622	2084113.622	2084113.622	2084113.622	2084113.622	2084113.622	2084113.622
	Location Code	CG49-018	CG49-019	CG49-021																								
	IHSS/PAC/UBC Site	PAC 700-1008																										
1.0	IHSS Group	700-11	700-11	700-11	700-11	700-11	700-11	700-11	700-11	700-11	700-111	700-111	700-11	700-111	700-11	700-11	700-11	700-11	700-11	700-11	700-11	700-11	700-11	700-11	700-11	700-11	700-11	700-11

Draft Industrial Area Sampling and Analysis Plan FY04 Addendum #IA-04-10

Code 20049-022 20049-02009-0		Conthing	Media	Deptin	Analyte	Laboratory	Laboratory	
	Lasting	gmmig Total	moati	Interval		Method	Method	
	2084065.319	751217.788	Surface soil	0.0-0.5	Metals	6200	6010	Statistical sample location
+	2084065.319	751217.788	Surface soil	0.0-0.5	PCBs	N/A	8082	Statistical sample location
$\vdash$	2084065.319	751217.788	Surface soil	0.0-0.5	Radionuclides	HPGe	Alpha spec	Statistical sample location
	2084065.319	751217.788	Surface soil	0.0-0.5	SAOCs	N/A	8270	Statistical sample location
CG49-022 2	2084065.319	751217.788	Subsurface soil	0.5-2.5'	Metals	6200	6010	Statistical sample location
CG49-022 2	2084065.319	751217.788	Subsurface soil	0.5-2.5'	PCBs	N/A	8082	Statistical sample location
CG49-022 2	2084065.319	751217.788	Subsurface soil	0.5-2.5'	Radionuclides	HPGe	Alpha spec	Statistical sample location
CG49-022 2	2084065.319	751217.788	Subsurface soil	0.5-2.5'	SAOCs	N/A	8270	Statistical sample location
-	2084065.319	751217.788	Subsurface soil	0.5-2.5'	VOCs	8260	8260	Statistical sample location
CG49-023 2	2084100.853	751223.559	Surface soil	0.0-0.5	Metals	6200	6010	Statistical sample location
CG49-023 2	2084100.853	751223.559	Surface soil	0.0-0.5	PCBs	N/A	8082	Statistical sample location
CG49-023 2	2084100.853	751223.559	Surface soil	0.0-0.5	Radionuclides	HPGe	Alpha spec	Statistical sample location
-	2084100.853	751223.559	Surface soil	0.0-0.5	SVOCs	N/A	8270	Statistical sample location
+	2084100.853	751223.559	Subsurface soil	0.5-2.5'	Metals	6200	6010	Statistical sample location
CG49-023 2	2084100.853	751223.559	Subsurface soil	0.5-2.5	PCBs	N/A	8082	Statistical sample location
CG49-023 2	2084100.853	751223.559	Subsurface soil	0.5-2.5'	Radionuclides	HPGe	Alpha spec	Statistical sample location
CG49-023 2	2084100.853	751223.559	Subsurface soil	0.5-2.5'	SVOCs	N/A	8270	Statistical sample location
CG49-023 2	2084100.853	751223.559	Subsurface soil	0.5-2.5	VOCs	8260	8260	Statistical sample location
CG49-025 2	2083965.368	751209.605	Surface soil	0.0-0.5	Metals	6200	6010	Biased - upgradient confluence of storm drain and drainage to Bowman's Pond
CG49-025 2	2083965.368	751209.605	Surface soil	0.0-0.5	PCBs	N/A	8082	Biased - upgradient confluence of storm drain and drainage to Bowman's Pond
CG49-025 2	2083965.368	751209.605	Surface soil	0.0-0.5	Radionuclides	HPGe	Alpha spec	Biased – upgradient confluence of storm drain and drainage to Bowman's Pond
CG49-025 2	2083965.368	751209.605	Surface soil	0.0-0.5	SVOCs	N/A	8270	Biased - upgradient confluence of storm drain and drainage to Bowman's Pond
CG49-025 2	2083965.368	751209.605	Subsurface soil	0.5-2.5'	Metals	6200	6010	Biased - upgradient confluence of storm drain and drainage to Bowman's Pond
CG49-025 2	2083965.368	751209.605	Subsurface soil	0.5-2.5'	PCBs	N/A	8082	Biased - upgradient confluence of storm drain and drainage to Bowman's Pond
CG49-025 2	2083965.368	751209.605	Subsurface soil	0.5-2.5'	Radionuclides	HPGe	Alpha spec	Biased - upgradient confluence of storm drain and drainage to Bowman's Pond

Draft Industrial Area Sampling and Analysis Plan FY04 Addendum #IA-04-10

12

HISSPACUBC         Location         Easting         Northing         Media         Interval         Anniyte         Laboratory Location           PAC 700-1008         CG49-025         208396.3.368         751209.605         Subsurface soil         0.5-2.5         SVOCs         N/A           PAC 700-1008         CG49-025         208408.886         751212.643         Surface soil         0.0-0.5         Metals         6200           PAC 700-1008         CG49-026         208408.886         751212.643         Surface soil         0.0-0.5         Redionalcides         HPGe           PAC 700-1008         CG49-026         208408.886         751212.643         Surface soil         0.0-0.5         RADOC           PAC 700-1008         CG49-026         208408.886         751212.643         Surface soil         0.0-0.5         RADOC           PAC 700-1008         CG49-026         208408.886         751212.643         Subsurface soil         0.5-2.5         Redionuclides         HPGe           PAC 700-1008         CG49-026         208408.886         751212.643         Subsurface soil         0.5-2.5         Rediss         RADOC           PAC 700-1008         CG49-026         208408.886         751212.643         Subsurface soil         0.5-2.5         RVOCs				EDAT TO DO THE STATE OF THE STA	35 999				On-site	Off-site	Comments
PAC 700-1008         CG49-025         208396.368         751209.605         Subsurface soil         0.5-2.5         SVOCS         N/A         8270           PAC 700-1008         CG49-025         208396.368         751212.643         Surface soil         0.0-0.5         Metals         6600         6010           PAC 700-1008         CG49-026         2084086.886         751212.643         Surface soil         0.0-0.5         PAC 700-1008         CG49-026         2084086.886         751212.643         Surface soil         0.0-0.5         PAC 700-1008         CG49-026         2084086.886         751212.643         Surface soil         0.0-0.5         PAC 700-1008         CG49-026         2084086.896         751212.643         Surface soil         0.0-0.5         SVOCS         N/A         8270           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.0-0.5         SVOCS         N/A         8270           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.0-0.5         SVOCS         N/A         8270           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.0-0.5         SVOCS         N/A         8270	IHSS	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth Interval	Analyte	Laboratory		
PAC 700-1008         CG49-026         751210-643         Subsurface soil         0.5-2.5         VOCs         8260         8260           PAC 700-1008         CG49-026         2084086.896         751212-643         Surface soil         0.0-0.5         PCBs         N/A         8082           PAC 700-1008         CG49-026         2084086.896         751212-643         Surface soil         0.0-0.5         PCBs         N/A         8082           PAC 700-1008         CG49-026         2084086.896         751212-643         Surface soil         0.0-0.5         PCBs         N/A         8082           PAC 700-1008         CG49-026         2084086.896         751212-643         Subsurface soil         0.5-2.5         PCBs         N/A         8082           PAC 700-1008         CG49-026         2084086.896         751212-643         Subsurface soil         0.5-2.5         PCBs         N/A         8082           PAC 700-1008         CG49-026         2084086.896         751212-643         Subsurface soil         0.5-2.5         PCBs         N/A         8200           PAC 700-1008         CG49-026         2084086.896         751212-643         Subsurface soil         0.5-2.5         PCBs         N/A         8200           PAC 700-1008	d :	Site 5.00 1008	CG49-025	2083965.368	751209.605	Subsurface soil	0.5-2.5'	SVOCs	N/A		Siased – upgradient confluence of storm Irain and drainage to Bowman's Pond
PACC 700-1008         CC49-026         2084086.896         751212.643         Surface soil         0.0-0.5         Metals         6200         6010           PAC 700-1008         CC49-026         2084086.896         751212.643         Surface soil         0.0-0.5         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CC49-026         2084086.896         751212.643         Surface soil         0.0-0.5         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CC49-026         2084086.896         751212.643         Surface soil         0.5-2.5         Metals         6200         6010           PAC 700-1008         CC49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         Metals         HPGe         Alpha spec           PAC 700-1008         CC49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         VOCs         8200         6010           PAC 700-1008         CC49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         VOCs         8200         6010           PAC 700-1008         CC49-01         2084149.157         751262.99         Surface soil         0.0-0.5         Radiomuclides         HPG	=   =	PAC /00-1008	CG49-025	2083965.368	751209.605	Subsurface soil	0.5-2.5'	VOCs	8260		Siased – upgradient confluence of storm Irain and drainage to Bowman's Pond
PAC 700-1008         CC49-026         2084086.896         751212.643         Surface soil         0.0-0.5         Radiomuclides         N/A         8082           PAC 700-1008         CC49-026         2084086.896         751212.643         Surface soil         0.0-0.5         Radiomuclides         HPGe         Alpha spec           PAC 700-1008         CC49-026         2084086.896         751212.643         Surface soil         0.5-2.5         Metals         6200         6010           PAC 700-1008         CC49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         PCBs         N/A         8082           PAC 700-1008         CC49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         Radiomuclides         HPGe         Alpha spec           PAC 700-1008         CC49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         RAG         Alpha spec           PAC 700-1008         CC49-026         208408.896         751212.643         Subsurface soil         0.5-2.5         RAG         Alpha spec           PAC 700-1008         CH49-017         2084149.157         75126.299         Surface soil         0.0-0.5         RAG         Alpha spec           P	=   =	PAC 700-1008	CG49-026	2084086.896	751212.643	Surface soil	0.0-0.5	Metals	6200		Biased – Bldg 774 foundation drain outfall
PACT 700-1008         CG49-026         2084086.896         751212.643         Surface soil         0.0-0.5         Radiomuclides         HPGe         Alpha spec           PACT 700-1008         CG49-026         2084086.896         751212.643         Surface soil         0.0-0.5         SVOCS         N/A         8270           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         PCBs         N/A         8082           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         Redionuclides         HPGe         Alpha spec           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         Redionuclides         HPGe         Alpha spec           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         Redionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-017         2084149.157         75126.29         Surface soil         0.0-0.5         Redionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-017         2084149.157         75126.299         Surface soil         0.0-0.5 <t< td=""><td>= :</td><td>PAC 700-1008</td><td>CG49-026</td><td>2084086.896</td><td>751212.643</td><td>Surface soil</td><td>0.0-0.5</td><td>PCBs</td><td>N/A</td><td></td><td>Biased – Bldg //4 roundation drain outfall</td></t<>	= :	PAC 700-1008	CG49-026	2084086.896	751212.643	Surface soil	0.0-0.5	PCBs	N/A		Biased – Bldg //4 roundation drain outfall
PAC 700-1008         CG49-026         2084086.896         751212.643         Surface soil         0.0-0.5         Metals         6200         6010           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         Metals         6200         6010           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         PCBs         N/A         8270           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         SVOCS         N/A         8200           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         SVOCS         N/A         8200           PAC 700-1008         CG49-01         2084149.157         75126.29         Surface soil         0.0-0.5         Metals         6200         6010           PAC 700-1008         CH49-017         2084149.157         75126.29         Surface soil         0.0-0.5         Radiomuclides         HPGC         Alpha spec           PAC 700-1008         CH49-017         2084149.157         75126.29         Subsurface soil         0.0-0.5         Rediomuclides         HPGC         Alp	= :	PAC 700-1008	6649-026	2084086.896	751212.643	Surface soil	0.0-0.5	Radionuclides	HPGe	$\neg$	Biased – Bldg //4 Ioundation diam outrain
PAC 700-1008         CCG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         Metals         6200         6010           PAC 700-1008         CCG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         PCBs         N/A         8082           PAC 700-1008         CCG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         SVOCS         N/A         8270           PAC 700-1008         CCG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         VOCS         8260         6010           PAC 700-1008         CCG49-026         2084086.896         751212.643         Subsurface soil         0.0-0.5         Metals         6200         6010           PAC 700-1008         CCH49-017         2084149.157         751262.99         Surface soil         0.0-0.5         PCBs         N/A         8270           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.0-0.5         SVOCs         N/A         8270           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.0-0.5         SVOCs         N/A         8270	= =	PAC 700-1008	CG49-026	2084086.896	751212.643	Surface soil	0.0-0.5	SVOCs	N/A		Biased – Bidg //4 foundation drain outfall
PACT 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         Radionuclides         IHPGe         Alpha spec           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         Radionuclides         IHPGe         Alpha spec           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         VOCS         8260         8260           PAC 700-1008         CG49-026         2084086.896         751212.643         Surface soil         0.0-0.5         Metals         6200         6010           PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.0-0.5         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.0-0.5         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.5-2.5         NGA         8200         6010           PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.5-2.5         SVOCs	= =	PAC 700-1008	CG49-026	2084086.896	751212.643	Subsurface soil	0.5-2.5'	Metals	6200		Biased – Bidg //4 Ioundation drain outfall
PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         Radionuclides         IT/US         Apple 200           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         SVOCs         N/A         8260         8260           PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.0-0.5         PCDS         N/A         8260         6010           PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.0-0.5         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.0-0.5         SVOCs         N/A         8082           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.0-0.5         SVOCs         N/A         8082           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5'         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5		PAC 700-1008	CG49-026	2084086.896	751212.643	Subsurface soil	0.5-2.5'	PCBs	N/A	$\neg \vdash$	Biased – Bide 774 foundation drain outfall
PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.5-2.5         SVOCs         8260         8260           1         PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         0.0-0.5         Metals         6200         6010           1         PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.0-0.5         PCBs         N/A         8082           1         PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.0-0.5         SVOCs         N/A         8082           1         PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.0-0.5         SVOCs         N/A         8082           1         PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5         PCBs         N/A         8082           1         PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5         PCBs         N/A         8082           1         PAC 700-1008         CH49-017         2084149.157         751262.99	: =	PAC 700-1008	CG49-026	2084086.896	751212.643	Subsurface soil	0.5-2.5	Kadionuclides	HPG6	$\top$	Biased - Bldg 774 foundation drain outfall
1         PAC 700-1008         CG49-026         2084086.896         751212.643         Subsurface soil         U.5-2.5         Vocs         200           1         PAC 700-1008         CH49-017         2084149.157         75126.299         Surface soil         0.0-0.5         Metals         6200         6010           1         PAC 700-1008         CH49-017         2084149.157         75126.299         Surface soil         0.0-0.5         Radionuclides         HPGe         Alpha spec           1         PAC 700-1008         CH49-017         2084149.157         75126.299         Surface soil         0.0-0.5         Radionuclides         HPGe         Alpha spec           1         PAC 700-1008         CH49-017         2084149.157         75126.299         Surface soil         0.0-0.5         Radionuclides         HPGe         Alpha spec           11         PAC 700-1008         CH49-017         2084149.157         75126.299         Subsurface soil         0.5-2.5         Radionuclides         HPGe         Alpha spec           11         PAC 700-1008         CH49-017         2084149.157         75126.299         Subsurface soil         0.5-2.5         SVOCs         N/A         820           11         PAC 700-1008         CH49-017	=	PAC 700-1008	CG49-026	2084086.896	751212.643	Subsurface soil	0.5-2.5	SVOCS	0968	8260	Biased – Bldg 774 foundation drain outfall
PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.0-0.5         PCBs         N/A         8082         S           PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.0-0.5         Radiomuclides         HPGe         Alpha spec         S           PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.0-0.5         Radiomuclides         HPGe         Alpha spec         S           PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.5-2.5         Metals         6200         6010         S           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5         Radiomuclides         HPGe         Alpha spec           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5         SVOCs         N/A         8270           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5         VOCs         8260         6010           PAC 700-1008         CH49-018         2084184.691         751262.99         Subsurface soil<	=	PAC 700-1008	CG49-026	2084086.896	751212.643	Subsurface soil	0.5-2.5	Metals	6200	6010	Statistical sample location
PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.0-0.5         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.0-0.5         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.5-2.5         Metals         6200         6010         8           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5         Radionuclides         HPGe         Alpha spec         8           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5         Radionuclides         HPGe         Alpha spec         8           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5         SVOCs         N/A         8270         8           PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.5-2.5         VOCs         8260         6010         6010           PAC 700-1008         CH49-018         2084184.691         75126	=	PAC 700-1008	CH49-017	2084149.157	751262.99	Surface son	0.000	PCBs	N/A	8082	Statistical sample location
PAC 700-1008         CH49-017         2084149,157         751262.99         Surface soil         0.0-0.5         Action 100         N/A         8270         S           1         PAC 700-1008         CH49-017         2084149,157         751262.99         Surface soil         0.0-0.5         Metals         6200         6010         S           1         PAC 700-1008         CH49-017         2084149,157         751262.99         Subsurface soil         0.5-2.5         Radionuclides         HPGe         Alpha spec         S           1         PAC 700-1008         CH49-017         2084149,157         751262.99         Subsurface soil         0.5-2.5         Radionuclides         HPGe         Alpha spec         S           1         PAC 700-1008         CH49-017         2084149,157         751262.99         Subsurface soil         0.5-2.5         SVOCs         N/A         8270         S           1         PAC 700-1008         CH49-017         2084149,157         751262.99         Subsurface soil         0.0-0.5         SVOCs         N/A         8260         8260         8260         8260         8260         8260         8260         8260         8260         8260         8260         8260         8260         8260         8260<	-1-	PAC 700-1008	CH49-017	2084149.157	751262.99	Surface son	0.000	Radioniclides	HPGe	Alpha spec	Statistical sample location
PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5         Metals         6200         6010         8           1         PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5'         Redionuclides         HPGe         Alpha spec         8           1         PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5'         Redionuclides         HPGe         Alpha spec         8           1         PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5'         NOCs         N/A         8082           1         PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5'         NOCs         N/A         8082           1         PAC 700-1008         CH49-017         2084184.691         751262.99         Subsurface soil         0.0-0.5'         PCBs         N/A         8082           1         PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5'         Redionuclides         HPGe         Alpha spec           1	-11	PAC 700-1008	CH49-017	2084149.157	751262.99	Surface soil	0.0-0.5	SVOCs	N/A	8270	Statistical sample location
PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5         PCBs         N/A         8082         8           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5'         Radionuclides         HPGe         Alpha spec         8           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5'         SVOCs         N/A         8270         8           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5'         VOCs         8260         8260         8260         8           PAC 700-1008         CH49-017         2084184.691         751268.761         Surface soil         0.0-0.5'         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5'         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5'         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691	-11	PAC 700-1008	CH49-017	2084149.157	751262.99	Sulface soil	0.5 0.0	Metals	6200	6010	Statistical sample location
PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5′         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5′         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5′         VOCs         8260         8260           PAC 700-1008         CH49-017         2084184.691         751268.761         Surface soil         0.0-0.5′         PCBs         N/A         8082           PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5′         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5′         SVOCs         N/A         8082           PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.5-2.5′         PCBs         N/A         8082           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5′         Radionuclides	=	PAC 700-1008	CH49-017	2084149.157	751262.99	Subsurface soil	0.5-2.5	PCBs	N/A	8082	Statistical sample location
PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5′         SVOCs         N/A         8270           1         PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5′         VOCs         8260         8260           1         PAC 700-1008         CH49-017         2084149.157         751262.99         Surface soil         0.0-0.5′         Metals         6200         6010         8260           1         PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5′         Radionuclides         HPGe         Alpha spec           1         PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5′         Radionuclides         HPGe         Alpha spec           1         PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5′         Metals         6200         6010           1         PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5′         Radionuclides         HPGe         Alpha spec           1         PAC 700-1008         CH	=	PAC 700-1008	CH49-017	2084149.157	751262.99	Subsurface soil	0.5-2.5'	Radionuclides	HPGe	Alpha spec	Statistical sample location
PAC 700-1008         CH49-017         2084149.157         751262.99         Subsurface soil         0.5-2.5'         VOCs         8260         8270	글	PAC 700-1008	CH49-017	2084149.157	751262.99	Subsurface soil	0.5-2.5'	SVOCs	N/A	8270	Statistical sample location
PAC 700-1008         CH49-017         2084149.13         731262.37         Surface soil         0.0-0.5°         Metals         6200         6010         6           PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5°         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5°         SVOCs         N/A         8270           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5°         Metals         6200         6010           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5°         PCBs         N/A         8082           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5°         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5°         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5°	=	PAC 700-1008	CH49-017	2084149.157	751262.99	Subsurface soil	0.5-2.5'	VOCs	8260	8260	Statistical sample location
PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5'         PCBs         N/A         8082           PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5'         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5'         Radionuclides         N/A         8270           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         Metals         6200         6010           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'	딍	PAC 700-1008	CH49-017	2084149.157	751262.99	Surface soil	0.0-0.5	Metals	6200	6010	Statistical sample location
PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5′         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5′         SVOCs         N/A         8270           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5′         Metals         6200         6010           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5′         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5′         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5′         Radionuclides         N/A         8270           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5′         VOCs         N/A         8260		PAC 700-1008	CH49-018	2084184.091	751208.761	Surface soil	0.0-0.5	PCBs	A/N	8082	Statistical sample location
PAC 700-1008         CH49-018         2084184.691         751268.761         Surface soil         0.0-0.5'         SVOCs         N/A         8270           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         Metals         6200         6010           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         Radionuclides         N/A         8270           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         VOCs         N/A         8260	3	PAC 700-1008	CH49-018	2084184.091	751206.701	Surface soil	0.0-0.5	Radionuclides		Alpha spec	Statistical sample location
PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         Metals         6200         6010           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         PCBs         N/A         8082           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         SVOCs         N/A         8270           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         VOCs         8260         8260	0-11	PAC 700-1008	CH49-018	2084184.691	751268 761	Surface soil	0.0-0.5	SVOCs	_	8270	Statistical sample location
PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         PCBs         N/A         8082           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         Radionuclides         HPGe         Alpha spec           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         SVOCs         N/A         8270           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         VOCs         8260         8260	3		+	2084184.691	751266.701	Surface soil	0.5-2.5'	Metals	6200	6010	Statistical sample location
PAC 700-1008	-		+	2084184.691	751268.761	Subsurface soil	0.5-2.5'	PCBs	N/A	8082	Statistical sample location
PAC 700-1008         CH49-018         2084104.691         751268.761         Subsurface soil         0.5-2.5'         SVOCs         N/A         8270           PAC 700-1008         CH49-018         2084184.691         751268.761         Subsurface soil         0.5-2.5'         VOCs         8260         8260	<u>-</u>	PAC 700-1008	+	+	751206.761	Subsurface soil	0.5-2.5'	Radionuclides		Alpha spec	Statistical sample location
PAC 700-1008 CH49-018 2084184 691 751268.761 Subsurface soil 0.5-2.5' VOCs 8260 8260	<u>=</u>	_	+	+	751268.761	Subsurface soil	+	SVOCs		8270	Statistical sample location
	9	$\perp$	+	+	751268.761	Subsurface soil	╀-	VOCs	8260	8260	Statistical sample location

Draft Industrial Area Sampling and Analysis Plan FY04 Addendum #IA-04-10

13

			:	Depth	4 11-4	Laboratory	Laboratory	
Easting		Northing	Media	Interval	Analyte	Laboratory	Laboratory	
2084220.225	41	751274.532	Surface soil	0.0-0.5	Metals	6200	6010	Statistical sample location
2084220.225		751274.532	Surface soil	0.0-0.5	PCBs	N/A	8082	Statistical sample location
⊢	1	751274.532	Surface soil	0.0-0.5'	Radionuclides	HPGe	Alpha spec	Statistical sample location
2084220.225		751274.532	Surface soil	0.0-0.5	SVOCs	N/A	8270	Statistical sample location
2084220.225		751274.532	Subsurface soil	0.5-2.5'	Metals	6200	6010	Statistical sample location
2084220.225	1	751274.532	Subsurface soil	0.5-2.5'	PCBs	N/A	8082	Statistical sample location
2084220.225	1,	751274.532	Subsurface soil	0.5-2.5'	Radionuclides	HPGe	Alpha spec	Statistical sample location
-	1	751274.532	Subsurface soil	0.5-2.5'	SVOCs	N/A	8270	Statistical sample location
╁╌	L-	751274.532	Subsurface soil	0.5-2.5'	VOCs	8260	8260	Statistical sample location
╁	1.	751280.303	Surface soil	0.0-0.5	Metals	6200	6010	Statistical sample location
<del>i</del> –	75	751280.303	Surface soil	0.0-0.5	PCBs	N/A	8082	Statistical sample location
╁	75	751280.303	Surface soil	0.0-0.5	Radionuclides	HPGe	Alpha spec	Statistical sample location
╁	75	751280.303	Surface soil	0.0-0.5	SAOCs	N/A	8270	Statistical sample location
┢╾	7512	751280.303	Subsurface soil	0.5-2.5'	Metals	6200	6010	Statistical sample location
+	7512	751280.303	Subsurface soil	0.5-2.5'	PCBs	N/A	8082	Statistical sample location
┼-	7512	751280.303	Subsurface soil	0.5-2.5'	Radionuclides	HPGe	Alpha spec	Statistical sample location
$\vdash$	7512	751280.303	Subsurface soil	0.5-2.5'	SVOCs	N/A	8270	Statistical sample location
┢	7512	751280.303	Subsurface soil	0.5-2.5	VOCs	8260	8260	Statistical sample location
1.	751	751240.873	Surface soil	0.0-0.5	Metals	6200	6010	Statistical sample location
2084207.456 751	751	751240.873	Surface soil	0.0-0.5	PCBs	N/A	8082	Statistical sample location
2084207.456 751	751	751240.873	Surface soil	0.0-0.5	Radionuclides	HPGe	Alpha spec	Statistical sample location
2084207.456 75	75	751240.873	Surface soil	0.0-0.5'	SVOCs	N/A	8270	Statistical sample location
2084207.456 75	75	751240.873	Subsurface soil	0.5-2.5'	Metals	6200	6010	Statistical sample location
-	75	751240.873	Subsurface soil	0.5-2.5'	PCBs	N/A	8082	Statistical sample location
├	75	751240.873	Subsurface soil	0.5-2.5	Radionuclides	HPGe	Alpha spec	Statistical sample location
	7,5	751240.873	Subsurface soil	0.5-2.5'	SVOCs	N/A	8270	Statistical sample location
+	7	751240.873	Subsurface soil	0.5-2.5'	VOCs	8260	8260	Statistical sample location
╆	Ľ	751246.644	Surface soil	0.0-0.5	Metals	6200	6010	Statistical sample location
<del> </del>	<u> </u>	751246.644	Surface soil	0.0-0.5	PCBs	N/A	8082	Statistical sample location
7084242 991	Ľ	11010	11.	13000	Dadionnalides	LIDGO	Alpho char	Statistical cample location

0	
~	
#14-04-	
$\diamond$	
+	
Į.	
#	
2	
<u>.</u>	
$\mathcal{Z}$	
Z	
Ď.	
$\mathcal{Z}$	
$\checkmark$	
4	
0	
FY04	
4	
Z	
lan	
ď	
5	
Si	
Z	
a	
Z	
$\checkmark$	
$\boldsymbol{q}$	
3	
ling and A.	
g	
.≥	
7	
ū	
ā	
S	
$\alpha$	
Ġ,	
7	
~	
ā	
2	
St	
17	
z	
1	
f.	
g	
$\stackrel{\sim}{\sim}$	
1	

	374 1. 9									puo								
Comments		Statistical sample location	Biased – downgradient of Bowman's Pond and upgradient of confluence with roadside ditch	Biased – downgradient of Bowman's Pond and upgradient of confluence with roadside ditch	Biased – downgradient of Bowman's Pond and upgradient of confluence with roadside ditch	Biased – downgradient of Bowman's Pond and upgradient of confluence with roadside ditch	Biased – downgradient of Bowman's Pond and upgradient of confluence with roadside ditch	Biased – downgradient of Bowman's Pond and upgradient of confluence with roadside ditch	Biased – downgradient of Bowman's Pond and upgradient of confluence with roadside ditch	Biased – downgradient of Bowman's Pond and upgradient of confluence with roadside ditch	Biased – downgradient of Bowman's Pond and upgradient of confluence with roadside ditch							
Off-site	Method	8270	6010	8082	Alpha spec	8270	8260	808	8082	9109	8082	Alpha spec	8270	6010	8082	Alpha spec	8270	8260
On-site	Method	N/A	6200	N/A	HPGe	N/A	8260	N/A	N/A	6200	N/A	HPGe	N/A	6200	N/A	HPGe	N/A	8260
Ansivte	,	SVOCs	Metals	PCBs	Radionuclides	SVOCs	VOCs	PCBs	PCBs	Metals	PCBs	Radionuclides	SVOCs	Metals	PCBs	Radionuclides	SVOCs	VOCs
Depth	Interval	0.0-0.5	0.5-2.5'	0.5-2.5'	0.5-2.5'	0.5-2.5'	0.5-2.5'	0.0-0.5	0.5-2.5'	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.5-2.5'	0.5-2.5'	0.5-2.5'	0.5-2.5'	0.5-2.5'
Madia	Media	Surface soil	Subsurface soil	Subsurface soil	Subsurface soil	Subsurface soil	Subsurface soil	Surface soil	Subsurface soil	Surface soil	Surface soil	Surface soil	Surface soil	Subsurface soil	Subsurface soil	Subsurface soil	Subsurface soil	Subsurface soil
Monthing	Sillin 1011	751246.644	751246.644	751246.644	751246.644	751246.644	751246.644	751212.985	751212.985	751275.838	751275.838	751275.838	751275.838	751275.838	751275.838	751275.838	751275.838	751275.838
Darting	Easting	2084242.991	2084242.991	2084242.991	2084242.991	2084242.991	2084242.991	2084230.222	2084230.222	2084142.191	2084142.191	2084142.191	2084142.191	2084142.191	2084142.191	2084142.191	2084142.191	2084142.191
Location	Code	CH49-023	CH49-023	CH49-023	CH49-023	CH49-023	CH49-023	CH49-024	CH49-024	CH49-025								
IHSS/PAC/UBC	Site	PAC 700-1008	PAC 700-1008	PAC 700-1008	PAC 700-1008	PAC 700-1008	PAC 700-1008	PAC 700-1008	PAC 700-1008	PAC 700-1008								
IHSS	Group	700-11	700-11	700-11	700-11	700-11	700-11	700-11	700-11	700-11	700-111	700-11	700-11	700-11	700-11	700-11	700-11	700-111

IHSS	IHSS/PAC/UBC	Location	Easting	Northing	Media	Depth	Analyte	On-site Laboratory	Off-site Laboratory	Comments
dio		3000						Method	Method	
700 11	DAC 200, 1008	CG48-028	2084113.86	751138 056	Surface soil	15 0-0 0	PCBs	A/N	8082	Biased – Area North of B774, PCBs only
11-00/	0001-00/ 01/1	070-0100	00:0111002	000001101		2:0				analysis to characterize past storage area
	0000	000	2004112 07	721170 051	CLampagae	13 ( 3 (	DCD.	V/12	6000	Biased – Area North of B774, PCBs only
11-00/	PAC 700-1008	CG48-028	2084113.80	000.861167	Subsurface son	0.2-2.3	rCbs	A/N	9000	analysis to characterize past storage area
		100 0700	0000111	751101764	C 6. 2. 11	13000	יקטע	N/A	6000	Biased - Area North of B774, PCBs only
700-11	PAC /00-1008	CG49-02/	2084121.911	/21161./24	Surface Soli	0.0-0.5	rcbs	IN/A	2000	analysis to characterize past storage area
	9001 000 0 40	00.40,007	100121011	751161 764	Cubeumface coil	15 6-5 0	PCBs	A/N	8087	Biased - Area North of B774, PCBs only
11-00/	FAC /00-1008	CG49-02/	2084121.911	/21101./34	Subsuitace son	0.7-2.0	I CD3	C/AI	2000	analysis to characterize past storage area
700-11	PAC 700-1008	CH48-052	2084160.648	751161.146	Surface soil	0.0-0.5	PCBs	N/A	8082	Biased – Area North of B774, PCBs only
										analysis to characterize past storage area
700-11	PAC 700-1008	CH48-052	2084160.648	751161.146	Subsurface soil	0.5-2.5'	PCBs	N/A	8082	Biased – Area North of B774, PCBs only analysis to characterize past storage area
1000	0001 001 0 40	000 000	2084033 653	751137 575	Cuefocogia	0000	DCD.	V/IV	608	Biased - Area North of B771C, PCBs only
11-00/	FAC /00-1008	CG49-073	20.64033.032	/21124.330	Sui lace son	0.0-0.0	rcDs	U/AI	2000	analysis to characterize past storage area
100	0001 000 0 4 0	000 000	1084032 652	753 161137	Cubeurface coil	05.25	PCBs	N/A	8087	Biased - Area North of B771C, PCBs only
11-00/	FAC /00-1008	CG49-073	20032.037	050.451107	Subsuitace son	0.5-2.3	I CD3	U/NI	2000	analysis to characterize past storage area
11007	8001 002 200	CG48-030	898 0508806	751148 689	Surface soil	15000	PCBc	N/A	8082	Biased - Area North of B771C, PCBs only
11-00/		050-0+00	20077777007	20.01110	outing son	0.000	6001		2000	analysis to characterize past storage area
1000	DAC 700 1008	050-8755	892 0502802	751148 689	Subsurface soil	0.5.25	pCRe	Z/A	8082	Biased - Area North of B771C, PCBs only
11-00/	LAC /00-1008	050-0+00	2007777777	(2)1140:000	nos anuncono	2:2-2:0	670.	77,57	2000	analysis to characterize past storage area
700-11	PAC 700-1008	CG48-031	2083972.432	751120.738	Surface soil	0.0-0.5	PCBs	A/N	8082	Biased - Area North of B771C, PCBs only
										analysis to characterize past storage area
700-11	PAC 700-1008	CG48-031	2083972 432	751120.738	Subsurface soil	0.5-2.5	PCBs	N/N	8082	Biased - Area North of B771C, PCBs only
11-00/	1.70.700-1000	100-0100	701777777	001:071101	noc animono	2:2				analysis to characterize past storage area
700 11	PAC 700-1008	CG48-032	2084040 488	751152 791	Surface soil	0.00	PCBs	A/N	8082	Biased - Area North of B771C, PCBs only
11-00/		200 0100	201:01007							analysis to characterize past storage area
700-11	PAC 700-1008	CG48-032	2084040 488	751152 791	Subsurface soil	0.5-2.5	PCBs	A/X	8082	Biased - Area North of B771C, PCBs only
11-00/		700.0100	201010100	1011201101	inco commons	2::				analysis to characterize past storage area
										Biased - Area West of PAC 1108, PCBs
700-11	PAC 700-1008	CG49-028	2083993.7	751268.85	Surface soil	0.0-0.5	PCBs	N/A	8082	only analysis to characterize past storage
										area
							_ <del></del>			Biased - Area West of PAC 1108, PCBs
700-11	PAC 700-1008	CG49-028	2083993.7	751268.85	Subsurface soil	0.5-2.5	PCBs	N/A	8082	only analysis to characterize past storage
										area
700-11	PAC 700-1008	CG49-029	2084029 246	751267.027	Surface soil	0.0-0.5	PCBs	A/X	8082	Biased – Area West of PAC 1108, PCBs only analysis to characterize past storage
-00/			1							area
					, m			,		

IHSS	IHSS IHSS/PAC/UBC Group Site	Location	Easting	Northing	Media	Depth Interval	Analyte	On-site Laboratory Method	Off-site Laboratory Method	Comments
700-11	PAC 700-1008	CG49-029	CG49-029 2084029.246 751267.027	751267.027	Subsurface soil	0.5-2.5'	PCBs	N/A	8082	Biased – Area West of PAC 1108, PCBs only analysis to characterize past storage area
700-11	PAC 700-1008	CG49-030	CG49-030 2084002.207 751240.443	751240.443	Surface soil	0.0-0.5	PCBs	N/A	8082	Biased – Area West of PAC 1108, PCBs only analysis to characterize past storage area
700-11	700-11 PAC 700-1008	CG49-030	CG49-030 2084002.207 751240.443	751240.443	Subsurface soil	0.5-2.5'	PCBs	N/A	8082	Biased – Area West of PAC 1108, PCBs only analysis to characterize past storage area





